

ABSTRACT:

Surface-Modified, Doped, Pyrogenically Produced Oxides

Surface-modified, doped, pyrogenically produced oxides surface-modified with one or several compounds from the following groups:

- a) Organosilanes of the type $(RO)_3Si(C_nH_{2n+1}), (RO)_3Si(C_nH_{2n-1})$
- b) $R'_x (RO)_y Si(C_nH_{2n+1}), (RO)_3Si(C_nH_{2n+1})$
- c) $X_3 Si(C_nH_{2n+1}), X_3 Si(C_nH_{2n-1})$
- d) $X_2 (R') Si(C_nH_{2n+1}), X_2 (R') Si(C_nH_{2n-1})$
- e) $X (R')_2 Si(C_nH_{2n+1}), X (R')_2 Si(C_nH_{2n-1})$
- f) $(RO)_3Si(CH_2)_m-R',$
- g) $(R'')_x (RO)_y Si(CH_2)_m-R',$
- h) $X_3Si (CH_2)_m-R',$
- i) $(R)X_2Si(CH_2)_m-R',$
- j) $(R)_2X Si(CH_2)_m-R',$
- k) Silazanes of the type
$$\begin{array}{c} R'R_2Si-N-SiR_2R' \\ | \\ H \end{array}$$
- l) Cyclic polysiloxanes,
- m) Polysiloxanes or silicone oils.